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Country: JP Japan

Kind: A2 Document Laid open to Public inspection

Inventor: **MAEDA KOICHIRO;  
GOTO KUNIAKI;  
YAMAMOTO AKIHISA;**Assignee: **NIPPON ZEON CO LTD**  
[News, Profiles, Stocks and More about this company](#)Published / Filed: **May 25, 2001 / Nov. 19, 1999**Application Number: **JP1999000329043**IPC Code: **H01M 10/40;**Priority Number: Nov. 19, 1999 **JP1999000329043**

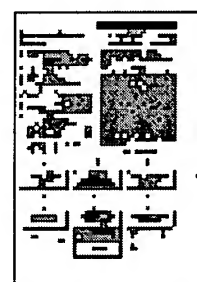
Abstract:

PROBLEM TO BE SOLVED: To provide new non-aqueous electrolyte having high safety as an electrochemical element including a non-aqueous electrolyte.

SOLUTION: In the electrochemical element including a non-aqueous electrolyte consisting of a positive and a negative electrode and a non-aqueous electrolyte dissolved by a non-aqueous solvent, the 0.05-50 weight % of a non-aqueous solvent is the electrochemical element including a non-aqueous electrolyte being combination indicated in a general formula 1 below.  $Rf_1-CH_nF_2-n-CH_mF_2-m-RF_2$  (In the formula,  $Rf_1$ ,  $Rf_2$  each indicates perfluoroalkyl, it is preferable to form a ring by combining the  $Rf_1$  with the  $Rf_2$  each other,  $n$  is a positive integer of 0-2,  $m$  indicates 1 or 2).

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Family: None

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(74) Representative:

**(54) ELECTROCHEMICAL  
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